

TA562

Barstock thermowell

Made of drilled barstock material. Mainly used in heavy duty or general purpose applications.



More information and current pricing:

www.ca.endress.com/TA562

Benefits:

- The thermowell stem shape can be straight or reduced for fast response time
- Extension, immersion length and reduced length as well as the bar dimensions can be chosen according to process requirements
- Different grades of surface finishing are also available
- The process connections are threaded: ½"NPT, ¾"NPT, G½" or M20x1.5
- A wide choice of standard materials is available
- Special versions can be manufactured according to specification

Specs at a glance

- **Max. process pressure (static)** 500 bar (7252 psi)
- **Maximum standard immersion length** 900 mm (35,43")
- **Max. immersion length on request** 5.000 mm (196,85")

Field of application: Due to the challenging process conditions by heavy duty applications the load capacity of a thermowell must be calculated exactly. Dye penetration tests, ultrasound test, helium leakage test, pressure endurance test as well as various, non-destructive material tests prove the quality of materials and processing.

Features and specifications

Thermowell

Measuring principle

Bar stock Thermowell

Thermowell

Characteristic / Application

metric style
threaded process connection
hexagonal extension

Head connection

internal thread:
1/2" NPT
G1/2"
M20x1,5

Maximum standard immersion length

900 mm (35,43")

Max. immersion length on request

5.000 mm (196,85")

Process connection

thread:
G1/2"
1/2" NPT
3/4" NPT
M20x1,5

Thermowell root diameter

12,7 mm (1/2")
13 mm (0,51")
16 mm (0,63")
19 mm (3/4")

Medium contact material

1.4401 (316)
1.4404 (316L)
1.4571 (316Ti)

Thermowell

Wetted part finishing (Ra)

< 0.8 µm (31.50 µin)

< 1.6 µm (63.00 µin)

Tip shape

straight

tapered

Temperature range-200...700 °C (-328...1.292 °F)

Max. process pressure (static)500 bar (7252 psi)

Max. process pressure at 400 °C300 bar (4351 psi)

More information www.ca.endress.com/TA562